

Class VI UIC Project Information Tracking

This submission is for:

Project ID: R09-CA-0006

Project Name: San Joaquin Renewables

Current Project Phase: Pre-Injection Prior to Construction

General Information

Number of proposed Class VI wells: 1

Brief description of the project: The San Joaquin Valley has some of the worst air quality in the nation; however, farmers have been forced to burn excess agricultural residues because of the lack of a viable alternative use. Emissions from open burning of biomass, along with emissions from diesel-fueled trucks, results in negative health impacts such as asthma and cancer, especially in disadvantaged communities. Meanwhile, the state of California is aggressively seeking to reduce and eliminate the negative impacts of short-lived climate pollutants and carbon emissions that contribute to negative environmental impacts. To address these issues, San Joaquin Renewables, LLC will build, own, and operate a biomass-into-natural gas facility located in McFarland, California. The San Joaquin Renewables plant will provide local farmers with an outlet for waste agricultural residues, which will be transformed into renewable natural gas which is a cellulosic transportation fuel when used as compressed natural gas. The renewable natural gas can also be used to reduce the carbon intensity of other transportation fuels. Biochar will be produced and used as a soil amendment, and carbon dioxide will also be produced, which will be captured and sequestered in an underground storage well. Not only does this project create more than 40 high-paying full-time jobs for one of the most economically disadvantaged rural communities in California, it also provides a desperately needed value-added market for ag waste, providing value for California farmers while eliminating the need for open burning. Finally, the biofuel produced will significantly improve air quality in the San Joaquin Valley by reducing short-lived climate pollutants and emissions from diesel-fuel trucks.

Underground Injection Control (UIC) Program under Safe Drinking Water Act (SDWA)

Description: Class VI permit

Nonattainment Program under CAA

Permit ID: pending

National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under CAA

Permit ID: pending

Other relevant environmental permits, including state permits

Permit Type(s) and ID: Conditional Use Permit (CUP) and stormwater permits (construction and industrial)

Optional Additional Project Information

Facility and Owner/ Operator Information

Facility name: San Joaquin Renewables LLC

Facility mailing address: 1521 West F Avenue, Nevada, IA 50201

Facility location: Latitude: 35.687 Longitude: -119.28

Up to four Standard Industrial Classification (SIC) codes for the products/services provided by the facility: 2813

Facility located on Indian lands: No

Facility contact information

Contact person: T.J. Paskach

Contact's business phone number: 515 - 292 - 1200

Contact's business email: tpaskach@frontlinebioenergy.com

Operator's name: San Joaquin Renewables LLC

Operator's business address: 1521 West F Avenue, Nevada, IA 50201

Operator's business phone number: 515 - 292 - 1200

Operator's status: Private

Ownership status: Owner

Initial Permit Application

Permit Application Narrative: https://epa.velo.pnnl.gov/alfresco/service/velo/getFile/no_wiki/shared/Submissions/R09-CA-0006/Phase1-PreConstruction/ProjInfo-11-03-2021-1117/1_Narrative--Permit--Application_102221.pdf

Proposed project plans, submitted with the Project Plan Submission module:

An Area of Review (AoR) and Corrective Action Plan

A Testing and Monitoring Plan

A Well Plugging Plan

A Post-Injection Site Care (PISC) and Site Closure Plan

An Emergency and Remedial Response Plan

Computational modeling information, submitted with the Area of Review Computational Modeling module

A financial responsibility demonstration, submitted with the Financial Responsibility Demonstration module

A proposed pre-operational logging and testing program, submitted with the Pre-Operational Testing module

An optional alternative PISC timeframe demonstration, submitted with the Alternative PISC Timeframe Demonstration module

Updated Information

Complete Submission

Authorized submission made by: Thomas Paskach

For confirmation a read-only copy of your submission will be emailed to: gschnaar@geo-logic.com